

ABSTRACT

1
2 A wellbore fluid including a peroxide degradable polymer and an encapsulated
3 peroxide source. The peroxide degradable polymer may be a polysaccharide. The
4 peroxide source may include an inorganic peroxide, including zinc and alkaline earth
5 metal peroxides, such as magnesium peroxide. The encapsulating material may be a
6 polymer, including enteric polymers. The release of peroxide, from peroxide sources
7 generally, can be controlled by means of pH such that peroxide source can be activated,
8 and peroxide released, by a change in pH. In a wellbore, this pH change can be effected
9 by using produced fluids to lower the pH of a more basic wellbore fluid.

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